Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/13/2020 09:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124796	-1	2.09	124866	2.04
Blue	F	SSC	125000	123706	-2	1.92	124387	1.83
Blue	E	FITC	15892	15351	-4	2.87	334	20.36
Blue	D	PE	29999	29470	-2	2.02	640	14.96
Blue	B	PerCP-Cy5-5	43732	43404	-1	3.76	1166	20.63
Blue	A	PE-Cy7	30845	30776	-1	6.21	593	41.28
Red	C	APC	46112	45171	-3	2.48	1592	12.01
Red	A	APC-Cy7	30458	29559	-3	2.34	786	12.04
Violet	B	V450	7918	7498	-6	4.06	438	12.38
Violet	A	V500	32171	31305	-3	3.88	735	10.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17016	10.08	628	7	N/A	N/A	Pass
Blue	F	SSC	57159	1.44	569	10	N/A	N/A	Pass
Blue	E	FITC	60	67.07	546	3	0.0199	171	Pass
Blue	D	PE	135	50.47	553	5	0.1603	279	Pass
Blue	B	PerCP-Cy5-5	215	50.41	659	3	0.0088	56	Pass
Blue	A	PE-Cy7	109	103.39	702	4	0.0106	18	Pass
Red	C	APC	382	25.70	588	4	0.0258	241	Pass
Red	A	APC-Cy7	175	28.05	558	2	0.0053	630	Pass
Violet	B	V450	65	58.87	463	5	0.0618	2533	Pass
Violet	A	V500	108	32.80	479	5	0.0249	769	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.68	-32.16	0.96
Blue	20.37	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.44
Red	16.26	13.60 - 20.40	N/A	N/A	29.60	30.07	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9685

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments